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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/750,265	12/31/2003	William Robert Ross	122355-1	1714
43831	7590	06/17/2005	EXAMINER	
BERKELEY LAW & TECHNOLOGY GROUP 5250 NE ELAM YOUNG PARKWAY SUITE 850 HILLSBORO, OR 97124			SONG, HOON K	
			ART UNIT	PAPER NUMBER
			2882	

DATE MAILED: 06/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No.	Applicant(s)	
	10/750,265	ROSS ET AL.	
	Examiner	Art Unit	
	Hoon Song	2882	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14, 16-18 and 20-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14, 16-18 and 20-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

Claim 23 is objected to because of the following informalities:

In claim 23 at line 1, "capable of" should be removed. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-14, 16-18 and 20-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Baba et al. (US 6519314B1).

Regarding claim 1, Baba teaches a method, comprising:

obtaining imaging data in a detector panel (102);

determining an area of interest (301) for said panel, wherein said area of interest includes a portion of the obtained imaging data, wherein said panel comprises multiple pixel rows, said area of interest comprising more than two and less than all of said multiple pixel rows of said panel (figures 7 and 8); and

reading at least a portion of said imaging data, wherein said portion comprises less than all the obtained imaging data and at least a portion of said data from said determined area of interest (column 9 line 20-31).

Regarding claim 2, Baba teaches said determined area of interest comprise less than half of all of said multiple pixel rows of said panel (figure 7 and 8)

Regarding claims 3 and 27, Baba teaches said panel is divided with one half of said multiple pixel rows on one half of said panel and another half of said multiple pixel rows on a remaining half of said panel (figures 7 and 8).

Regarding claims 4 and 28, Baba teaches said determined area of interest is also divided with one half on half of said panel and another half on a remaining half of said panel (figures 7 and 8).

Regarding claims 5 and 29, Baba teaches data in said determined area of interest is read in parallel in multiple immediately adjacent rows (figures 7 and 8).

Regarding claims 6 and 30, Baba teaches data in said determined area of interest is read by row, starting from the center of said panel and reading towards rows remote from said center (figure 8).

Regarding claim 7, Baba teaches said data is read from directly opposing rows in parallel (figures 7 and 8).

Regarding claim 8, Baba teaches determining said area of interest based at least in part on the dimensions of a subject to be imaged (figure 7 and 8).

Regarding claim 9, Baba teaches data from separate panels are read substantially concurrently (figure 7 and 8).

Regarding claim 10, Baba teaches scrubbing said panel by reading out data from rows outside said determined area of interest (figure 7 and 8).

Regarding claim 11, Baba teaches said scrubbing takes place a group of adjacent rows at a time (figure 7 and 8).

Regarding claim 12, Baba teaches a method of imaging, comprising:
emitting radiation from one or more radiation sources (101) toward a subject (106) situated in front of a set of panel detectors (102);

as a result of said emitted radiation, at least a portion of at least some of said set of panel detectors having stored data related to said subject (figure 1);

reading less than all of said stored data related to said subject from said set of panels, wherein reading less than all of said stored data comprises:

determining an area of interest (310), wherein said area of interest comprises an area of said set of panel detectors less than the entire area of said set of panel detector (figure 7 and 8); and

reading at least a portion of the data contained in said determined area of interest (column 9 line 20-31).

Regarding claims 13,17 and 21, Baba teaches said one or more radiation sources comprises one or more x-ray sources (101).

Regarding claims 14, 18 and 22, Baba teaches said panel detectors comprises flat panel amorphous silicon panels (column 7 line 58).

Regarding claim 16, Baba teaches a method of imaging, comprising:
emitting radiation (101) from one or more radiation sources towards a subject situated in front of a set of panel detectors (102) so that only a portion of at least some of said set of panel detectors are able to store signals related to said subject (figure 1);

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reading said stored signals related to said subject from said portion of at least some of said set of panel detectors, wherein reading said stored signals comprises:

determining an area of interest (310), wherein said area of interest comprises an area of said set of panel detectors less than the entire area of said set of panel detectors; and

reading said stored signals contained in said determined area of interest (column 9 line 20-31).

Regarding claim 20, Baba teaches a system, comprising:

a least one radiation source (101);

a detector array (102);

a computer (104) coupled to said detector array, said computer configured to, in operation:

obtaining imaging data in said detector array (figure 1);

determine an area of interest (310) for said detector array, said determined area of interest being less than said entire detector array (figure 7 and 8); and

read data from said determined area of interest (column 9 line 20-31).

Regarding claim 23, Baba teaches said system is producing radiological images of a human subjects (18).

Regarding claim 24, Baba teaches said computer is further configured to, in determine said area of interest base at least in part on the dimensions of said subject (figure 7 and 8).

Regarding claim 25, Baba teaches said computer is further configured to,

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in operation: scrub at least the portion of said detector array outside said determined area of interest (figure 7 and 8).

Regarding claim 26, Baba teaches an article comprising:

a storage medium (104) having stored thereon instructions that, when executed, results in a method of reading imaging data stored in a detector panel (102):

determining an area of interest (310) for said panel, wherein said area of interest includes a portion of the stored imaging data, wherein said panel comprises multiple pixel rows, said area of interest comprising more than two and less than all of said multiple pixel rows of said panel (figure 7 and 8); and

reading at least a portion of said imaging data, wherein said portion comprise less than all the stored imaging data and at least a portion of said data stored in said determined area of interest (column 9 line 20-31).

Response to Arguments

Applicant's arguments with respect to claims 1-14, 16-18 and 20-30 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoon Song whose telephone number is (571) 272-2494. The examiner can normally be reached on 8:30 AM - 5 PM, Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Glick can be reached on (571) 272 - 2490. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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HKS


DAVID V. BRUCE
PRIMARY EXAMINER